

Date: February 26, 1999

SOW00-8432-8D037B-1/1

STATEMENT OF WORK (SOW)

**For the Repair of the
Mast System Control Unit
NSN 5985-01-297-4147
P/N: 10526610-1; CAGE: 56161**

JOHN F. LETSINGER

Intelligence Section
Equipment Specialist
(Code 843-2)
MCLB, Albany GA

DAVID M. ROBINSON

Intelligence Section
Inventory Manager
(Code 843-2)
MCLB, Albany GA

WILLIAM T. REYNOLDS

Weapon System/Equipment Manager
Intelligence Section (Code 843-2)
MCLB, Albany GA

TABLE OF CONTENTS

| <u>Paragraph</u> | <u>Title</u> | <u>Page</u> |
|---------------------|--|-------------|
| 1.0 | Scope | 1 |
| 1.1 | Background | 1 |
| 2.0 | Applicable Documents | 1 |
| 2.1 | Military Standards | 1 |
| 2.2 | Military Specifications | 1 |
| 2.3 | Industry Standards | 2 |
| 2.4 | Other Government Documents and Publications | 2 |
| 3.0 | Requirements | 2 |
| 3.1 | General Tasks | 2 |
| 3.2 | Detail Tasks | 2 |
| 3.2.1 | Phase I (Pre-Induction) | 3 |
| 3.2.2 | Phase II (Repair) | 3 |
| 3.2.3 | Phase III (Inspection, Testing and Acceptance) | 4 |
| 3.2.4 | Phase IV (Packaging, Handling, Storage and Transportation (PHS&T)) | 4 |
| 3.3 | Government Furnished Equipment (GFE)/Materiel (GFM) Accountability | 4 |
| 3.4 | Contractor Furnished Material | 4 |
| 3.5 | Electrostatic Discharge (ESD) Control Program | 5 |
| 3.6 | Quality Assurance Provisions | 5 |
| 3.7 | Acceptance | 5 |
| 3.8 | Rejection | 5 |
| 3.9 | Configuration Control | 5 |
| 4.0 | Reports | 5 |
| 4.1 | Equipment Inspection and Maintenance Worksheet | 5 |
| 4.2 | Final Inspection | 5 |
| 4.3 | Progress Report | 6 |
| <u>Appendix</u> | | |
| A | DA Form 2404 (1 Apr 79) Equipment Inspection and Maintenance Worksheet | |

STATEMENT OF WORK (SOW)
For the Repair of the
Mast System Control Unit
NSN 5985-01-297-4147
P/N: 10526610-1; CAGE: 56161

1.0 Scope

1.1 Background

This Statement of Work (SOW) establishes, sets forth tasks, and identifies the work effort that shall be performed by the Contractor to repair the Mast System Control Unit, National Stock Number (NSN) 5985-01-297-4147; hereafter referred to as the Mast System Control Unit. This document contains requirements to restore the Mast System Control Unit to Condition Code "A". Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than 6 months shelf-life remaining."

2.0 Applicable Documents

The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

| | |
|-----------------|--|
| MIL-STD-129 | DoD Standard Practice for Military Marking |
| MIL-STD-2073-1C | DoD Standard Practice for Military Packaging |

Military Standards (For Reference Only)

| | |
|-------------|--------------------------|
| MIL-STD-973 | Configuration Management |
|-------------|--------------------------|

2.2 Military Specifications

| | |
|-------------|---|
| MIL-C-81309 | Corrosion Preventive Compounds, Water Displacing, Ultra Thin Film |
|-------------|---|

2.3 Industry Standards

ANSI/EIA-625 Requirements for Handling Electrostatic-Discharge
Sensitive ESDS Devices

ANSI/ISO/ASQC Q9003-1994 Quality Systems

2.4 Other Government Documents and Publications The issues of those documents cited below shall be used.

| | |
|--------------------|--|
| 247892-720 | Test Specification |
| 247892-750 | Test Procedures |
| SL-4-09999A | Repair Parts For Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |
| TM 09999A-14/1 | System Manual, Volume 1, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |
| TM 09999A-14/1 | System Manual, Volume 2, Parts 1 and 2, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |
| DoD 4000.25-1-M | MILSTRIP Manual |
| NAVICPINST 4491.2A | Requisitioning of Contractor Furnished Material from the Federal Supply System |

(Copies of military specifications and standards are available from the Naval Publications and Forms Center, (Attn: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, (Code 890) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Commander (Code 825-3), Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6410 or DSN 567-6410.

3.0 Requirements

3.1 General Tasks In fulfilling the specified requirements, the Contractor shall provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, and test and calibrate the Mast System Control Unit. Upon completion of repairing the subject item it shall be Condition Code "A".

3.2 Detail Tasks The following tasks describe the different phases for repair of the Mast System Control Unit :

| | |
|-----------|---|
| Phase I | Pre-Induction |
| Phase II | Repair |
| Phase III | Inspection, Testing and Acceptance |
| Phase IV | Preparation for Shipment and/or Storage |

3.2.1 Phase I (Pre-Induction) A pre-induction inspection analysis shall be performed for each Mast System Control Unit within 5 working days of induction into the Contractor's facility for evaluation of repair capability. If repair is not feasible, assign Condition Code "H" (CC "H"), notify Marine Corps Logistics Base, Albany, Georgia for disposition instructions, otherwise assign CC "M" and induct into the repair cycle. Equipment Inspection and Maintenance Worksheet DA-2404 (Appendix A) shall be used to report all anomalies and shall be provided to the government in accordance with section 4.0 of this SOW.

3.2.2 Phase II (Repair) After pre-induction tests and inspections have been completed, repair of the Mast System Control Unit shall be accomplished in accordance with this SOW. Deficiencies noted on the Equipment Inspection and Maintenance Worksheet DA-2404 (Appendix A) during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

b. Publications and Documentation The Contractor shall use appropriate technical documentation, as discussed in paragraph 1.1., restore the Mast System Control Unit to condition code "A" as discussed in paragraph 1.1.

c. The following Standards and Publications shall be used to assist the Contractor:

| | |
|----------------|--|
| MIL-C-81309 | Corrosion Preventive Compounds, Water Displacing, Ultra Thin Film |
| 247892-720 | Test Specifications |
| 247892-750 | Test Procedures |
| SL-4-09999A | Repair Parts For Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |
| TM 09999A-14/1 | System Manual, Volume 1, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |
| TM 09999A-14/1 | System Manual, Volume 2, Parts 1 and 2, Mobile Electronic Warfare Support System (MEWSS) AN/MLQ-36 |

3.2.3 Phase III (Inspection, Testing and Acceptance)

- a. Inspection, Testing and Acceptance of the Mast System Control Unit shall be conducted in accordance with the documents and TM's listed in section 3.2.2.c and documentation available from or retained by the manufacturer.
- b. The Contractor shall be responsible for conducting required tests in accordance with applicable procedures and specifications.
- c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 843-2), Albany, GA representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

3.2.4 Phase IV (Packaging, Handling, Storage and Transportation (PHS&T))

- a. The contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Preservation and packaging shall be level "A" in accordance with MIL-STD-2073-1C, Table VI, Electronic Equipment.
- b. Marking of all items shall be in accordance with MIL-STD-129.
- c. The Marine Corps will be responsible for transportation costs associated with shipping the Mast System Control Unit to/from the Contractor. The Contractor shall be responsible for shipment of the Mast System Control Unit to a pre-designated site.

3.3 Government Furnished Equipment (GFE)/Materiel (GFM) Accountability

- a. GFE is government owned equipment authorized by contract for use by a commercial/Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA), Marine Corps Logistics Bases, Albany, Georgia, (G316-2), will coordinate required GFE and will maintain a central control system on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibilities for the Marine Corps assets.
- b. Upon receipt of GFM, a copy of the DD-Form-1348 is to be signed and forwarded to the MCA (G316-2) for accountability purposes.

3.4 Contractor Furnished Material In the event Contractor Furnished Material (CFM) is required for repair parts, the DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Material (NAVICPINST 4491.2A). This would

require specific provisions in Section H of the contract to place total responsibility on the contractor to obtain direct electronic access to the DoD Supply System, electronically submit their requisitions, maintain status, receive billing from the source of supply and provide direct payment to DFAS.

3.5 Electrostatic Discharge (ESD) Control Program The contractor shall establish, implement and document an ESD control program following the guidelines provided in EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

3.6 Quality Assurance Provisions The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test. The program shall ensure quality throughout all areas to include design, fabrication, processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements.

3.7 Acceptance The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance of the work. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct an inspection.

3.8 Rejection Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB Code 843-2, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.9 Configuration Control If necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation/Request for Waiver using MIL-STD-973, paragraph 5.4.3 or 5.4.4, and subparagraphs and Appendix E, as a guide. Any proposed permanent departures to the configuration baseline affecting fit, form, or function, shall require an Engineering Change Proposal using MIL-STD-973, paragraph 5.4.2 and Appendix D as a guide.

4.0 Reports

4.1 Equipment Inspection and Maintenance Worksheet The Contractor shall complete the Equipment Inspection and Maintenance Worksheet (Appendix A), DA-2404 for each Mast System Control Unit being repaired. The deficiencies shall appear in Column c of this form. Column d must be completed in accordance with paragraph 4.2. This form should accompany the equipment during the repair process. The report shall be identified by United States Marine Corps Serial Number

4.2 Final Inspection The Contractor shall complete column d of the Equipment Inspection and Maintenance Worksheet for each Mast System Control Unit after each deficiency is repaired. The completed document shall be available prior to final acceptance testing. One copy of the document shall be provided to MCLB (Code 843-2) Albany, Georgia, after final acceptance of the Mast System Control Unit .

4.3 Progress Report The Contractor shall provide a Progress Report by serial number in the contractors format summarizing the progress and status of the Mast System Control Unit . This report should be submitted 60 days after the first deficiency is noted on the Equipment Inspection and Maintenance Worksheet. Subsequent submissions shall be within 10 days after the last business day of each month. One copy of this document is to be provided to MCLB Albany (Code 843-2).

USAPPC V1.10

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

| | | | | | |
|---|-------------------------------|---|--|--|---|
| A. CONTRACT LINE ITEM NO. | | B. EXHIBIT | | C. CATEGORY: TDP _____ TM _____ OTHER <input checked="" type="checkbox"/> | |
| D. SYSTEM/ITEM Mast System Control Unit | | E. CONTRACT/PR NO. | | F. CONTRACTOR | |
| 1. DATA ITEM NO. A001 | | 2. TITLE OF DATA ITEM Contractor's Progress, Status, and Management Report | | 3. SUBTITLE | |
| 4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80227 | | 5. CONTRACT REFERENCE SOW | | 6. REQUIRING OFFICE MCLBA (843) | |
| 7. DD 250 REQ LT | 9. DIST STATEMENT REQUIRED | 10. FREQUENCY MTHLY | 12. DATE OF FIRST SUBMISSION See Blk 16 | | 14. DISTRIBUTION a. ADDRESSEE MCLBA (843-2) |
| 8. APP CODE | | 11. AS OF DATE | 13. DATE OF SUBSEQUENT SUBMISSION See Blk 16 | | |
| 16. REMARKS Blk 4 - Tailor DI-MGMT-80227 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, 10.3j, 10.3k, and 10.3n. Blk 12 - The reporting period shall be from the first to last business day of each month. Initial submission shall be 60 DAC. Blk 13 - Subsequent submissions shall be 10 days after the last business day of each month. | | | | | |
| 15. TOTAL 0 1 0 | | | | | |
| G. PREPARED BY <i>John Latinger</i> | | H. DATE 19 JAN 99 | | I. APPROVED BY <i>William Z. Rumble</i> | |
| | | | | J. DATE 2 Feb 99 | |

**18. ESTIMATED
TOTAL PRICE**

(1 Data Item)

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

[illegible]

| |
|------------------------------|
| 17. PRICE GROUP |
| 18. ESTIMATED TOTAL PRICE |

G. PREPARED BY

H. DATE

I. APPROVED BY

| |
|---------|
| J. DATE |
|---------|

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY:
TOP _____ TM _____ OTHER ☒

D. SYSTEM/ITEM Mast System Control Unit E. CONTRACT/PR NO. F. CONTRACTOR

1. DATA ITEM NO. B002 2. TITLE OF DATA ITEM Request For Deviation 3. SUBTITLE Configuration Management

4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B 5. CONTRACT REFERENCE SOW 6. REQUIRING OFFICE MCLBA (825)

7. DD 250 REQ LT 8. DIST STATEMENT REQUIRED A 10. FREQUENCY ASREQ 12. DATE OF FIRST SUBMISSION SEE BLK 16 14. DISTRIBUTION a. ADDRESSEE b. COPIES Draft Reg Final Repro

16. REMARKS
Blk 4 - Contractor format is authorized.
Blks 10 & 12 - RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.
RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.
RFDs shall be submitted on a 3.5" disk in ASCII format.
Distribution Statement A: Approved for public release, distribution is unlimited
15. TOTAL 0 1 0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY H. DATE 9 Nov 1998 I. APPROVED BY J. DATE 1 Feb 99

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/FR No. listed in Block E.

| | | | | |
|---|---|--|---|---|
| A. CONTRACT LINE ITEM NO. | B. EXHIBIT | C. CATEGORY: TDP _____ TM _____ OTHER _____ X | | |
| D. SYSTEM/ITEM Mast System Control Unit | E. CONTRACT/PR NO. | F. CONTRACTOR | | |
| G. DATA ITEM NO. B003 | H. TITLE OF DATA ITEM Request For Waiver | I. SUBTITLE Configuration Management | | |
| J. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B | K. CONTRACT REFERENCE SOW | L. REQUIRING OFFICE MCLBA (825) | | |
| M. DD FORM REQ LT | N. DIST STATEMENT REQUIRED A | O. FREQUENCY ASREQ | P. DATE OF FIRST SUBMISSION SEE BLK 16 | Q. DISTRIBUTION |
| R. APP CODE | S. AS OF DATE | T. DATE OF SUBSEQUENT SUBMISSION | U. ADDRESSEE MCLBA (825-2) | V. COPIES Draft Reg Final Repro 0 1 0 |
| W. REMARKS Blk 4 - Contractor format is authorized. Blks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation. RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government. RFWs shall be submitted on a 3.5" disk in ASCII format. Distribution Statement A: Approved for public release, distribution is unlimited | | | | |
| X. TOTAL → 0 1 | | | | |

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

| | | | |
|-------------------------------------|------------------------------|--|----------------------------|
| G. PREPARED BY <i>Ann Powers</i> | H. DATE <i>9 Nov 1998</i> | I. APPROVED BY <i>William L. Rusk</i> | J. DATE <i>1 Feb 99</i> |
| DD FORM 1423-1, AUG 96 (EG) | | PREVIOUS EDITION MAY BE USED. | |
| | | Page <i>1</i> of <i>1</i> Page | |